

APPLICATION NO.: 09/903,627
TITLE: AUDIO IDENTIFICATION SYSTEM AND METHOD INVENTOR(S): STEPHEN C. KENYON, ET AL.

FILED: July 13, 2001 ATTY. DKT. NO.: 13680.00005 SHEET 2 OF 15

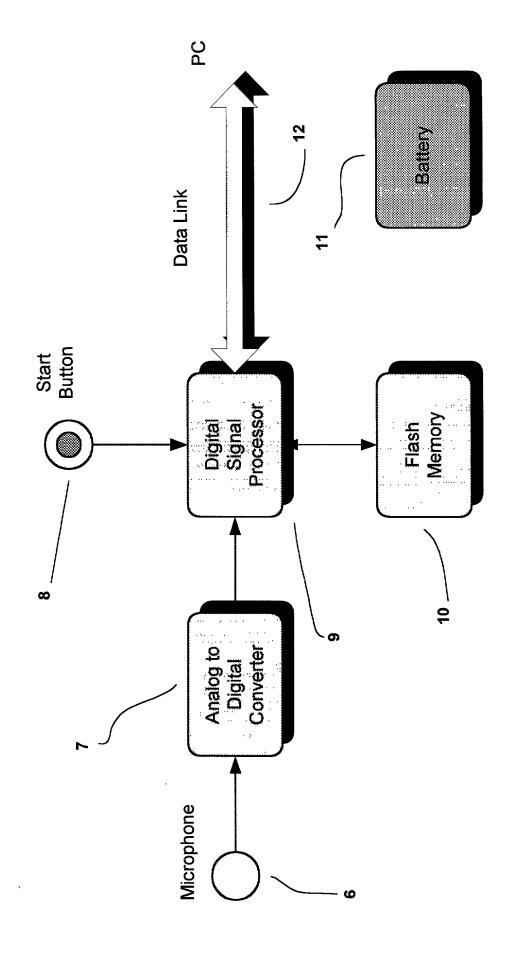
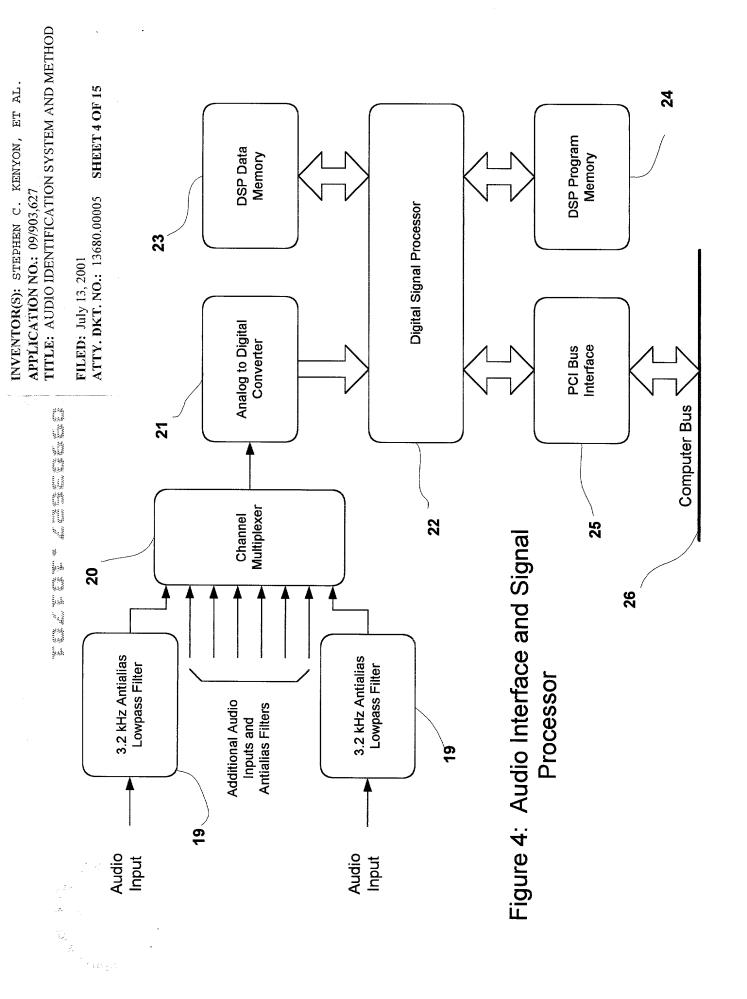


Figure 2: Typical Audio Capture Device

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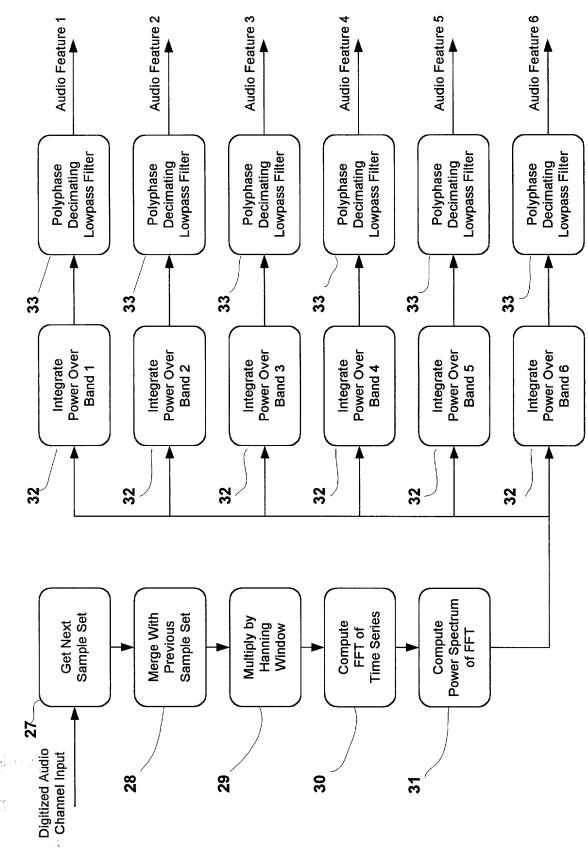


Figure 5: Audio Spectrum Analysis and Feature Extraction

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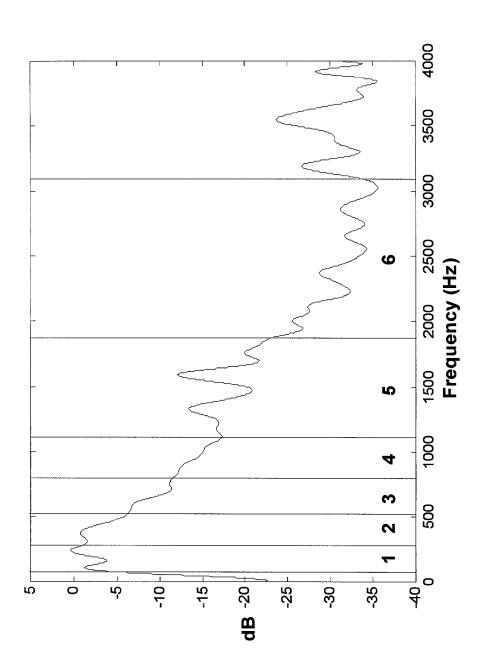


Figure 6: Audio Spectrum Analysis Bands

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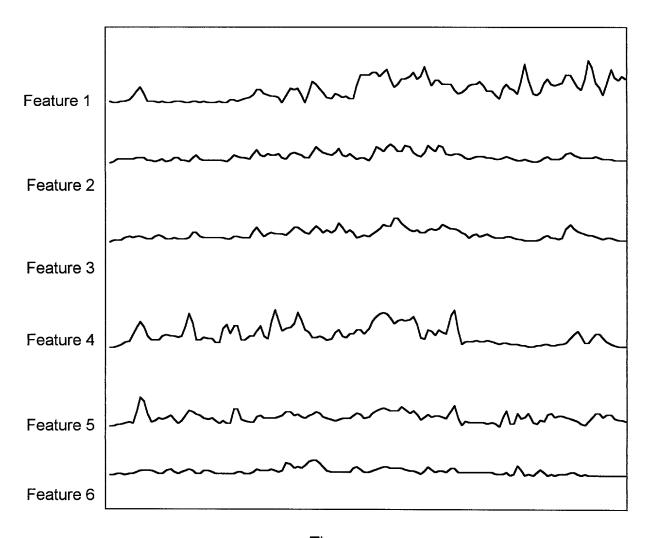
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Figure 7: Example Feature Waveforms

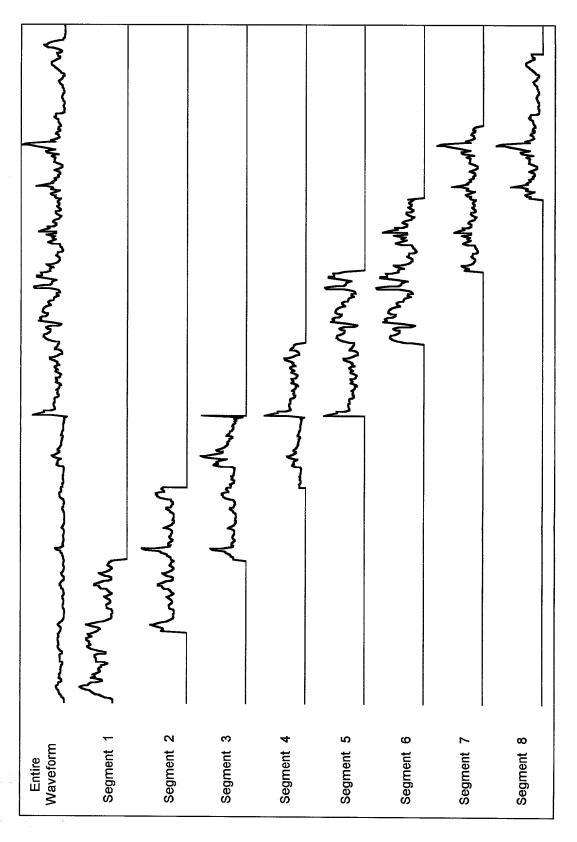


Figure 8: Reference Feature Waveform Segmentation

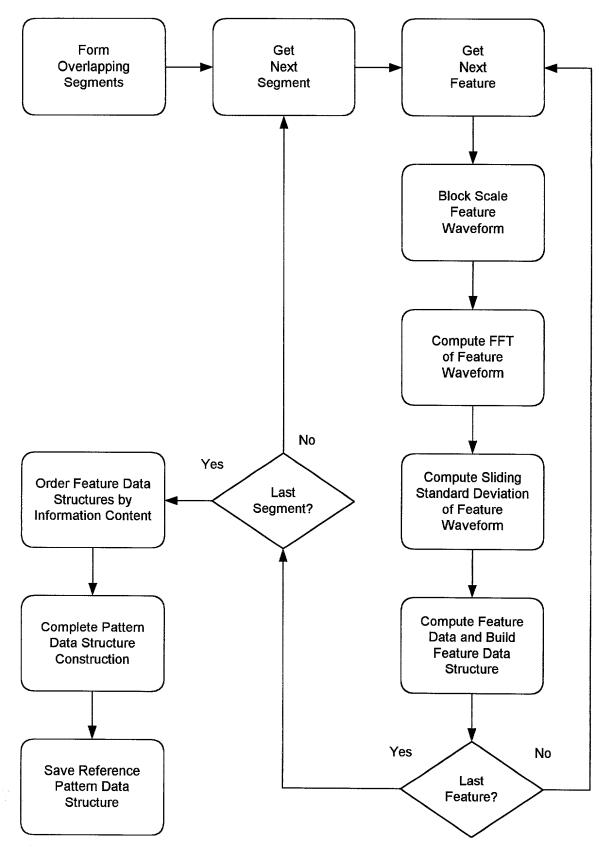
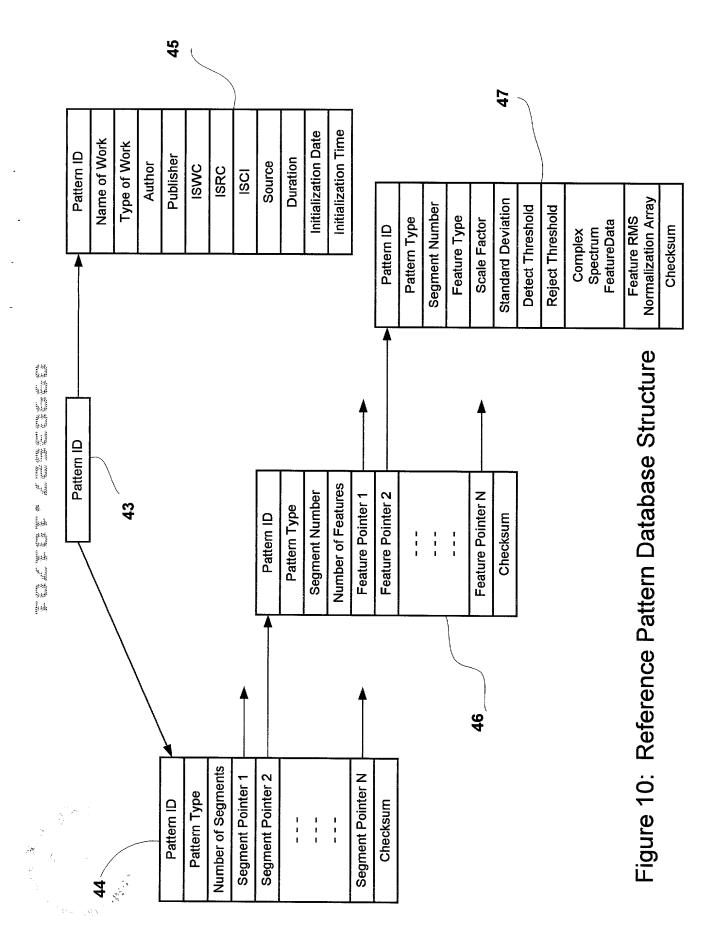


Figure 9: Reference Pattern Initialization



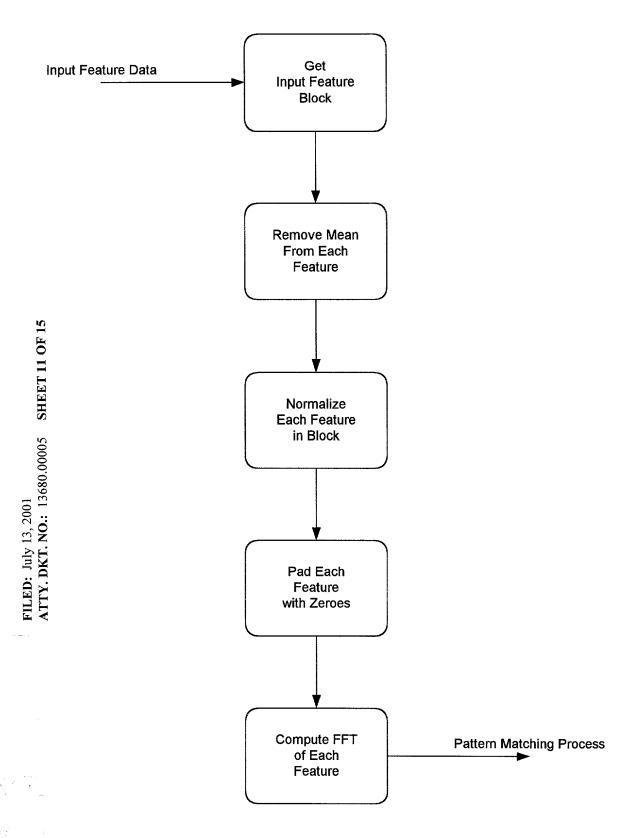


Figure 11: Real-Time Feature Block Pre-Processing

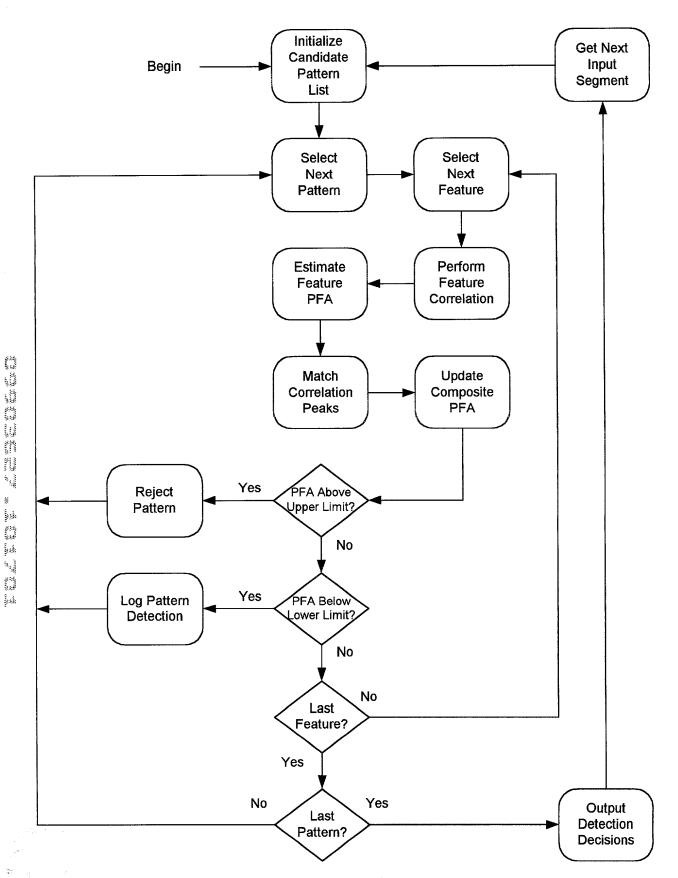


Figure 12: Multiple Feature Correlation Process

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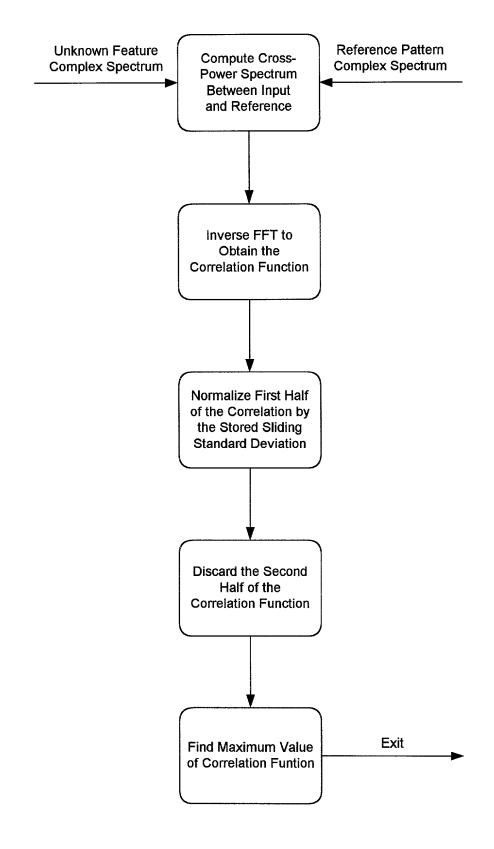


Figure 13: Feature Correlation Process

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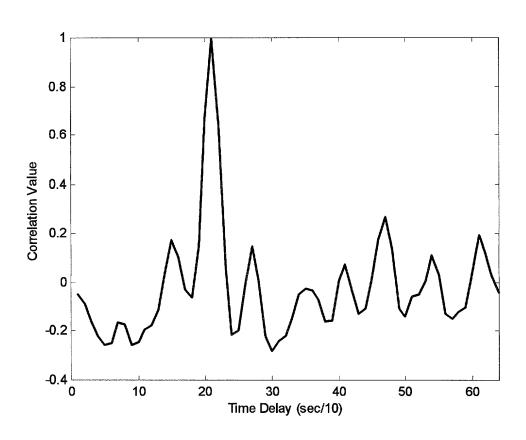


Figure 14: Example Feature Correlation Function



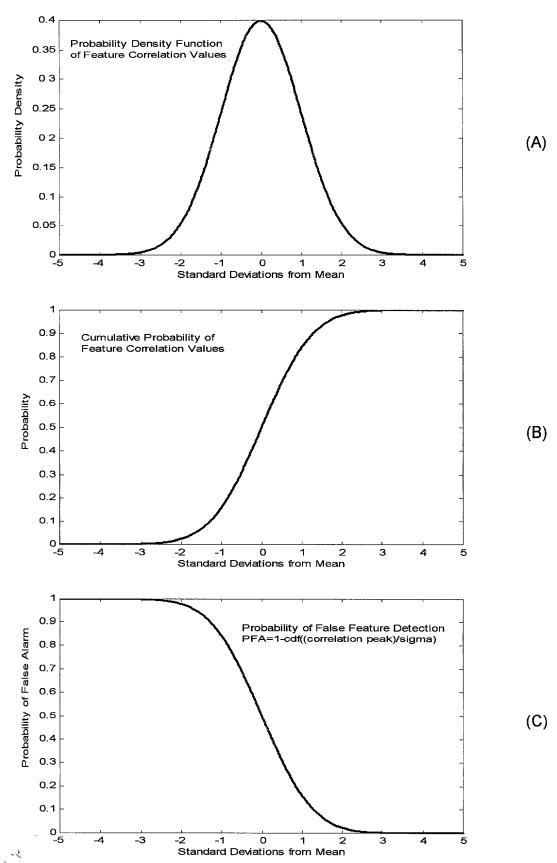


Figure 15: False Detection Estimation from Correlation Values